

Complete Summary

TITLE

Neonatology: percentage of neonates who received each of five specified immunizations.

SOURCE(S)

Child Health Corporation of America. [Web site]. Shawnee Mission (KS): Child Health Corporation of America (CHCA); [cited 2004 Dec 06]. [various].

Child Health Corporation of America. Measure definition worksheet: neonatal immunization. Shawnee Mission (KS): Child Health Corporation of America; 2004 May 25. 7 p.

Brief Abstract

DESCRIPTION

This measure assesses the percentage of neonates hospitalized greater than 60 days, who received each of five specified immunizations.

RATIONALE

Immunization is key to health promotion. Keeping the neonatal population healthy is of prime concern to everyone. Administration of immunizations during the inpatient hospitalization is under the direct control of the care provider.

PRIMARY CLINICAL COMPONENT

Neonate; immunization (diphtheria, pertussis, tetanus [DPT]; Hepatitis B [Hep B]; polio; Haemophilus influenza type b [Hib]; pneumococcal conjugate vaccine [PCV])

DENOMINATOR DESCRIPTION

Neonates with a length of stay greater than 60 days (see the related "Denominator Inclusions/Exclusions" field in the Complete Summary)

NUMERATOR DESCRIPTION

The number of patients from the denominator who received each of the following immunizations:

- Diphtheria, Pertussis, Tetanus (DPT)
- Hepatitis B (Hep B)
- Polio
- Haemophilus Influenza type b (Hib)
- Pneumococcal Conjugate Vaccine (PCV)

Evidence Supporting the Measure

PRIMARY MEASURE DOMAIN

Process

SECONDARY MEASURE DOMAIN

Not applicable

EVIDENCE SUPPORTING THE MEASURE

A clinical practice guideline or other peer-reviewed synthesis of the clinical evidence

Evidence Supporting Need for the Measure

NEED FOR THE MEASURE

Use of this measure to improve performance

EVIDENCE SUPPORTING NEED FOR THE MEASURE

Throop C. (Child Health Corporation of America, Shawnee Mission, Kansas).
Memo: CHCA measures validity and reliability testing. 2004 July 6. 1 p.

State of Use of the Measure

STATE OF USE

Current routine use

CURRENT USE

Collaborative inter-organizational quality improvement
Internal quality improvement

Application of Measure in its Current Use

CARE SETTING

Hospitals

PROFESSIONALS RESPONSIBLE FOR HEALTH CARE

Physicians

LOWEST LEVEL OF HEALTH CARE DELIVERY ADDRESSED

Single Health Care Delivery Organizations

TARGET POPULATION AGE

Newborns and other neonates

TARGET POPULATION GENDER

Either male or female

STRATIFICATION BY VULNERABLE POPULATIONS

Unspecified

Characteristics of the Primary Clinical Component

INCIDENCE/PREVALENCE

Unspecified

ASSOCIATION WITH VULNERABLE POPULATIONS

Unspecified

BURDEN OF ILLNESS

Unspecified

UTILIZATION

Unspecified

COSTS

Unspecified

Institute of Medicine National Healthcare Quality Report Categories

IOM CARE NEED

Staying Healthy

IOM DOMAIN

Effectiveness

Data Collection for the Measure

CASE FINDING

Users of care only

DESCRIPTION OF CASE FINDING

Neonates with a length of stay greater than 60 days

DENOMINATOR SAMPLING FRAME

Patients associated with provider

DENOMINATOR (INDEX) EVENT

Institutionalization

DENOMINATOR INCLUSIONS/EXCLUSIONS

Inclusions

Neonates with a length of stay greater than 60 days*

*Neonates are defined using all-patient refined diagnosis-related group (APR-DRG) version 12 in order to maintain consistency for ORYX reporting. (Refer to the original measure documentation for details.)

Exclusions

Documentation in medical record clearly indicating the parent did not wish the child to be immunized. Parent refusal may be documented any time during the stay.

NUMERATOR INCLUSIONS/EXCLUSIONS

Inclusions

The number of patients from the denominator who received each of the following immunizations:

- Diphtheria, Pertussis, Tetanus (DPT)
- Hepatitis B (Hep B)
- Polio
- Haemophilus Influenza type b (Hib)
- Pneumococcal Conjugate Vaccine (PCV)

Exclusions

Unspecified

DENOMINATOR TIME WINDOW

Time window follows index event

NUMERATOR TIME WINDOW

Institutionalization

DATA SOURCE

Administrative data
Medical record

LEVEL OF DETERMINATION OF QUALITY

Individual Case

PRE-EXISTING INSTRUMENT USED

Unspecified

Computation of the Measure

SCORING

Rate

INTERPRETATION OF SCORE

Better quality is associated with a higher score

ALLOWANCE FOR PATIENT FACTORS

Analysis by subgroup (stratification on patient factors)

DESCRIPTION OF ALLOWANCE FOR PATIENT FACTORS

For this measure, data are stratified by some or all of these elements including age parameters, days of stay, and specific conditions defined through the all-patient refined diagnosis-related group (APR-DRG) system or specific International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) codes.

This measure may also be stratified by payor type, race, or ethnicity.

STANDARD OF COMPARISON

External comparison at a point in time
Internal time comparison

Evaluation of Measure Properties

EXTENT OF MEASURE TESTING

Unspecified

Identifying Information

ORIGINAL TITLE

Neonate immunization administration.

MEASURE COLLECTION

[Pediatric Health Information System Measures](#)

DEVELOPER

Child Health Corporation of America

ENDORSER

National Quality Forum

ADAPTATION

Measure was not adapted from another source.

RELEASE DATE

2004 May

MEASURE STATUS

This is the current release of the measure.

SOURCE(S)

Child Health Corporation of America. [Web site]. Shawnee Mission (KS): Child Health Corporation of America (CHCA); [cited 2004 Dec 06]. [various].

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MEASURE AVAILABILITY

The individual measure, "Neonate Immunization Administration," is available from the [Child Health Corporation of America \(CHCA\) Web site](#).

For more information, contact Child Health Corporation of America (CHCA) at, 6803 West 64th Street, Suite 208, Shawnee Mission, KS 66202; phone: 913-262-1436; fax: 913-262-1575; Web site: www.chca.com.

NQMC STATUS

This NQMC summary was completed by ECRI on September 13, 2004. The information was verified by the measure developer on December 3, 2004.

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